Hewlett Packard
Enterprise

Y.11.52 Release Notes

Abstract

This document contains supplemental information for the Y.11.52 release.

Part Number: 5200-5158
Published: June 2018
Edition: 1

© Copyright 2018 Hewlett Packard Enterprise Development LP

Notices

The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

Confidential computer software. Valid license from Hewlett Packard Enterprise required for possession, use, or copying. Consistent with FAR 12.211 and 12.212, Commercial Computer Software, Computer Software Documentation, and Technical Data for Commercial Items are licensed to the U.S. Government under vendor's standard commercial license.

Links to third-party websites take you outside the Hewlett Packard Enterprise website. Hewlett Packard Enterprise has no control over and is not responsible for information outside the Hewlett Packard Enterprise website.

Acknowledgments

Microsoft® and Windows® are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Contents

11.52 Release Notes 5

Description 5
Important information 5
Products supported 5
Compatibility/interoperability 5
Enhancements 6
Version 11.49 6
RADIUS Accounting 6
Fixes 6
Version 11.52 6
SNMP 6
SSH 6
Version 11.51 7
IMC 7
Version 11.50 7
Version 11.49 7
Spanning Tree 7
Version 11.48 7
Web Authentication 7
Version 11.47 7
Crash 7
SFTP 8
Web Management 8
Version 11.46 8
Port Security 8
Stacking 8
Version 11.45 8
Config 8
SNMP 8
Version 11.44 8
CLI 8
Command Authorization 8
Crash 9
SNMP 9
Version 11.43 9
Syslog 9
Version 11.42 9
CLI 9
Spanning Tree 9
Stacking 9
Web Management 9
Version 11.41 9
Counters 9
Version 11.40 10
Crash 10
DHCP 10
Logging 10
Multicast 10
SNMP 10
Version 11.39 10

Web Management..... 10
Version 11.38.....10
Stacking.....10
Web Management..... 10
Version 11.37.....11
CLI.....11
Web Management..... 11
Version 11.36.....11
Crash.....11
Upgrade information.....11

Hewlett Packard Enterprise security policy..... 12
Finding Security Bulletins.....12
Security Bulletin subscription service.....12

Websites..... 13

Support and other resources.....14
Accessing Hewlett Packard Enterprise Support..... 14
Accessing updates.....14
Customer self repair.....15
Remote support..... 15
Warranty information.....15
Regulatory information.....16
Documentation feedback..... 16

11.52 Release Notes

Description

This release note covers software versions beginning with Y.11.36. For information about earlier software versions, please see the Y.11.35 release notes.

Product series supported by this software:

HPE 2510G Switches

Important information

To avoid damage to your equipment, do not interrupt power to the switch during a software update.

Products supported

This release applies to the following product models:

Product number	Description
J9279A	HPE 2510-24G Switch
J9280A	HPE 2510-48G Switch

Compatibility/interoperability

The switch web agent supports the following web browsers:

Browser	Supported versions
Internet Explorer	• Edge • 11
Chrome	• 53 • 52
Firefox	• 49 • 48
Safari (MacOS only)	• 10 • 9

NOTE: HPE recommends using the most recent version of each browser as of the date of this release note.

Enhancements

This section lists enhancements found in the Y.11 branch of the software. Software enhancements are listed in reverse-chronological order, with the newest on the top of the list. Unless otherwise noted, each software version listed includes all enhancements added in earlier versions. The last release that introduced enhancements was Y.11.49.

NOTE: The number that precedes the enhancement description is used for tracking purposes.

Version 11.49

RADIUS Accounting

CR_0000203917 Symptom: Added support for CLASS attribute to Radius Accounting Services.

Fixes

This section lists released builds that include fixes found in this branch of the software. Software fixes are listed in reverse-chronological order, with the newest on the top of the list. Unless otherwise noted, each software version listed includes all fixes added in earlier versions.

The Symptom statement describes what a user might experience if this is seen on the network. The Scenario statement provides additional environment details and trigger summaries. When available, the Workaround statement provides a workaround to the issue for customers who decide not to update to this version of software.

NOTE: The number that precedes the fix description is used for tracking purposes.

Version 11.52

SNMP
CR_0000242833

Symptom: The switch is granting incorrect access level to SNMP communities.

Scenario: When the switch is configured with unrestricted operator privileges level to an SNMP community, the switch is granting read only privileges after a reboot.

Workaround: Re-configure unrestricted operator privileges for the SNMP community after a switch reboot.

```
snmp-server community <NAME> operator unrestricted
```

SSH
CR_0000237510

Symptom: The switch crashes with an error message similar to `TLB Miss: Virtual Add <...> Task='mftTask'.`

Scenario: When uploading a public key file that does not have a comment header, the switch crashes with an error message similar to `TLB Miss: Virtual Add <...> Task='mftTask'.`

Workaround: Add a comment to the public key file before uploading it to the switch. Example:

```
---- BEGIN SSH2 PUBLIC KEY ----
Comment: "Avoid crashing"
AAAAB3NzaC1yc2EAAAADAQABAAAAgQC4q1JDcRcrsutQgfnZctywnQmvWU6K+rWYbr7omx
CbihJpJWjG3pDqBC0luQvAWuKbbVsFwVJcnuYeODeJi6Afgj/nKVcC7aZcR06z9wb/lmsU
```

```
a7Fi3NAY4iar/CokDsofZtH+4WoZHMX5XOLBfOXJNxx2yQ0ODIb9XGdp/TBPbw==
---- END SSH2 PUBLIC KEY --
```

Version 11.51

IMC
CR_0000225707

Symptom: Unexpected characters are displayed when initiating a TELNET session to the switch.

Scenario: When initiating a TELNET session to the switch using the embedded TELNET GUI from IMC version 7.2 or greater, the switch displays unexpected characters, such as "{" or "q".

Workaround: Use IMC version 7.1, or an alternative client, to TELNET to the switch.

Version 11.50

Version 11.50 was never released.

Version 11.49

Spanning Tree
CR_0000202511

Symptom: Incorrect Spanning Tree hello time is reported as a MIB value.

Scenario: In a Spanning Tree topology, the switch reports the value of OID dot1dStpHelloTime on a root switch in seconds instead of centiseconds as reported in non-root switches.

Workaround: There is no impact on Spanning Tree functionality as this is merely a value conversion from seconds to centiseconds.

Version 11.48

Web Authentication

CR_0000171976 Symptom: The switch may reboot with an error message similar to `TLB Miss: <...> Task='tHttpd' <...>`.

Scenario: Connecting a client using web-based authentication may cause a switch crash and reboot with an error message `TLB Miss: <...> Task='tHttpd' <...>`.

Version 11.47

Crash

CR_0000120993 Uploading a config file via SFTP might cause the switch to reboot unexpectedly with a message similar to `Software exception at exception.c:374 -- in 'tExcTask', task ID = 0x87965b10, -> internal error`.

CR_0000137484 Multiple SSH sessions attempting to simultaneously transfer files from the switch might cause the switch to reboot unexpectedly with a message similar to `TLB Miss: Virtual Addr=0x00000000 IP=0x80711c0c Task='tSftp0' Task ID=0x856dc2f0 fp:0x00000005 sp:0x856d8058 ra:0x806d6b20 sr:0x1000fc01`.

CR_0000154313 With SSH enabled, attempting SFTP transfers might cause the switch to reboot unexpectedly with a message similar to `TLB Miss: Virtual Addr=0x0000001c IP=0x8008b24c`

`Task='tSftp0', Task ID=0x85717f10 fp:0x85d83a38 sp:0x85717d58 ra:0x8008b1c8 sr:0x1000fc01`.

SFTP

CR_0000150523 When using SFTP to restore a backup configuration file, if the file is larger than 4k bytes, the configuration file is truncated on switch 2510G.

Web Management

CR_0000162905 When a user connects to an IP address on the switch using a browser with Java version 7U51 or later, the web interface will be blocked because the Java applets were not code-signed.

Version 11.46

Port Security

CR_0000148246 When a user enables Port Security on more than 40 ports at once in the web interface, the switch crashes with the following message: `TLB Miss: Virtual Addr=0x2c34332c IP=0x805e4a04 Task='tHttpd' Task ID=0x81dfca40 fp:0x81dfc438 sp:0x81dfc3d8 ra:0x8024e1dc sr:0x1000fc01`.

Stacking

CR_0000146242 When IP Stacking is configured on the switch, then the switch may crash with the following message when it is accessed over HTTP: `TLB Miss: Virtual Addr=0x30303620 IP=0x30303620 Task='tHttpd' Task ID=0x81e4c8c0 fp:0x81e4c2b8 sp:0x81e4c258 ra:0x30303620 sr:0x1000fc01`.

Version 11.45

Config

CR_0000135481 After boot, a config file that has a trap destination community name with an open parenthesis "(" or a close parenthesis ")" cannot be downloaded to the switch.

SNMP

CR_000074396, PR_0000069036 The object 'ifMtu' (1.3.6.1.2.1.2.2.1.4) returns integer value '9212' for instances of interfaces that are not enabled for Jumbo Frame support. Note that this is merely a display issue: the correct MTU value is programmed in hardware.

Version 11.44

CLI

CR_0000131650 Output of the CLI command `show flash` might include a "#" sign appended to the software version number.

CR_0000114191 CLI help lists LACP as IEEE 802.1ad rather than 802.3ad.

Command Authorization

CR_0000137774 When issuing a command such as `show tech` (which invokes many sub-commands), if any of the sub-commands are on the HP-Command-Exception "DenyList", the command fails and the user is removed from enable mode.

Crash

CR_0000135269 Rarely, with very high levels of traffic directed at the switch's management interface in combination with other conditions internal to the switch, the switch might reboot unexpectedly with a message similar to `NMI event SW:IP=0x8073af64 SR:0x1000fc01 Task='bcmRX' Task ID=0x85e4f720 sp:0x85e4f5c0`.

SNMP

PR_0000071585, CR_0000076568 The trap sent by a switch has the wrong EventDescription number. For example, EventDescription 76 means a port is now online, but the trap from the switch sends EventDescription 75 for a port that comes online. This can affect trap receivers that parse the SNMP response.

Version 11.43

Syslog

PR_0000065540, CR_0000072482 There is a long delay before the switch event log messages are sent to the syslog server.

Version 11.42

CLI

CR_0000127622 The **unauth-period** parameter for 802.1X is not available in the CLI.

Spanning Tree

CR_0000123533 After hot-swapping a mini-GBIC (SFP) in a slot that is configured with **bpdu-protection** and is in the Spanning Tree `BpduError` state, the port begins forwarding traffic despite having received Spanning Tree BPDUs.

Stacking

CR_0000121075 When stacking is enabled, the switch is accessible via the Web even after disabling the Web server, and via `TELNET` even after disabling `TELNET`.

Web Management

CR_0000120654 With stacking enabled, when a user connects to the Commander via the Web User Interface and clicks on "stack close up", the member switches show random ports toggling offline and online. This is a Web display issue only, the physical ports do not toggle.

CR_0000123053 The Web interface allows the password to be viewed.

Version 11.41

Counters

CR_0000119337 The counters for oversized frames and/or jumbo frames are sometimes incorrect.

Version 11.40

Crash

CR_0000117440 Accessing certain pages of the web UI of the switch via a web browser might cause the device to reboot unexpectedly. After several occurrences of this, the log file clears and erroneously reports that the switch has restarted due to a power failure.

CR_0000117442 It is possible for the switch to reboot unexpectedly after receiving SNMP get requests. This issue was introduced in Y.11.38.

DHCP

CR_0000117134 A VLAN configured via **DHCP-Bootp** will not obtain an IP address if the VLAN is configured as a management VLAN. The switch fails to send a DHCP Request after receiving a DHCP Offer. occurrences

Logging

CR_0000117441 Switch logs might indicate that the switch has rebooted due to a power failure, but the reboot is due to a bug where navigating to certain web UI screens causes the switch to reboot.

Multicast

CR_0000107597 The switch floods GMRP (GARP Multicast Registration Protocol) packets that are received on Spanning Tree backup and alternate ports, instead of dropping the packets.

SNMP

CR_0000113034 `SNMPget` of object **dot3adAggPortListPorts** returns extraneous comma and space characters, which can affect scripts based on the `SNMPget` output.

Version 11.39

Web Management

CR_0000112322 The switch might encounter a memory leak when users press the **F5** (refresh) function key on the keyboard while in the web UI. This was reported with IE 6 but can occur with other browsers or versions.

CR_0000113121 When the switch is configured with single mode login (privilege-mode) enabled, accessing certain web screens can cause the browser to display the message `In order to continue, you must log in as a Manager/Operator` even though you have already logged on correctly.

Version 11.38

Stacking

CR_0000105617 When configured for IP Stacking, and passwords have been configured, and selecting a Member from the web GUI drop down list, the web page displays the following error:

```
This is a dummy page to force a manager login if any stack member is accessed
from a commander. See http_c. for more details.
```

Web Management

CR_0000107978 Users are not able to navigate to the **VLAN Configuration** web page via web browser on Windows 7, using Internet Explorer 8, if a manager password is assigned to the switch.

CR_0000109772 Users with Internet Explorer 8 or using ProCurve Manager 3.2 Live-View might not be able to configure the switch via the web UI.

Version 11.37

CLI

CR_0000105415 The config may display incorrectly with regard to how it displays which ports are in a particular VLAN. For example: **untagged 3-Trk1** instead of **untagged 3-50,Trk1**.

Web Management

PR_0000072951, CR_0000077759 After a user logs into the switch Web user interface and credentials are accepted by the RADIUS server, if the user closes the browser and logs in again, the switch does not verify the credentials with the RADIUS server.

Version 11.36

Crash

PR_0000042767, CR_0000064069 After configuring an **unrestricted** SNMP community name that is exactly 32 characters (the maximum allowed), when the switch is rebooted or power-cycled it will unexpectedly reboot repeatedly. A factory reset is required to recover. The crash message is similar to the following:

```
TLB Miss: Virtual Addr=0x00a21270 IP=0x800b2d1c Task='swInitTask'
Task ID=0x85f72860 fp:0x00000000 sp:0x85f72648 ra:0x800b2cd0 sr:0x1000fc01
```

Upgrade information

Upgrading restrictions and guidelines

Y.11.52 uses BootROM N.10.02. If your switch has an older version of BootROM, the BootROM will be updated with this version of software.

Hewlett Packard Enterprise security policy

A Security Bulletin is the first published notification of security vulnerabilities and is the only communication vehicle for security vulnerabilities.

- Fixes for security vulnerabilities are not documented in manuals, release notes, or other forms of product documentation.
- A Security Bulletin is released when all vulnerable products still in support life have publicly available images that contain the fix for the security vulnerability.

Finding Security Bulletins

Procedure

1. Go to the HPE Support Center - Hewlett Packard Enterprise at **www.hpe.com/support/hpesc**.
2. Enter your product name or number and click **Go**.
3. Select your product from the list of results.
4. Click the **Top issues & solutions** tab.
5. Click the **Advisories, bulletins & notices** link.

Security Bulletin subscription service

You can sign up at **http://www.hpe.com/support/Subscriber_Choice** to initiate a subscription to receive future Hewlett Packard Enterprise Security Bulletin alerts via email.

Websites

Networking Websites

Hewlett Packard Enterprise Networking Information Library

www.hpe.com/networking/resourcefinder

Hewlett Packard Enterprise Networking Software

www.hpe.com/networking/software

Hewlett Packard Enterprise Networking website

www.hpe.com/info/networking

Hewlett Packard Enterprise My Networking website

www.hpe.com/networking/support

Hewlett Packard Enterprise My Networking Portal

www.hpe.com/networking/mynetworking

Hewlett Packard Enterprise Networking Warranty

www.hpe.com/networking/warranty

General websites

Hewlett Packard Enterprise Information Library

www.hpe.com/info/EIL

For additional websites, see **Support and other resources**.

Support and other resources

Accessing Hewlett Packard Enterprise Support

- For live assistance, go to the Contact Hewlett Packard Enterprise Worldwide website:

  http://www.hpe.com/assistance

- To access documentation and support services, go to the Hewlett Packard Enterprise Support Center website:

  http://www.hpe.com/support/hpesc

Information to collect

- Technical support registration number (if applicable)
- Product name, model or version, and serial number
- Operating system name and version
- Firmware version
- Error messages
- Product-specific reports and logs
- Add-on products or components
- Third-party products or components

Accessing updates

- Some software products provide a mechanism for accessing software updates through the product interface. Review your product documentation to identify the recommended software update method.
- To download product updates:

  Hewlett Packard Enterprise Support Center

  www.hpe.com/support/hpesc

  Hewlett Packard Enterprise Support Center: Software downloads

  www.hpe.com/support/downloads

  Software Depot

  www.hpe.com/support/softwaredepot

- To subscribe to eNewsletters and alerts:

  www.hpe.com/support/e-updates

- To view and update your entitlements, and to link your contracts and warranties with your profile, go to the Hewlett Packard Enterprise Support Center **More Information on Access to Support Materials** page:

www.hpe.com/support/AccessToSupportMaterials

IMPORTANT: Access to some updates might require product entitlement when accessed through the Hewlett Packard Enterprise Support Center. You must have an HPE Passport set up with relevant entitlements.

Customer self repair

Hewlett Packard Enterprise customer self repair (CSR) programs allow you to repair your product. If a CSR part needs to be replaced, it will be shipped directly to you so that you can install it at your convenience. Some parts do not qualify for CSR. Your Hewlett Packard Enterprise authorized service provider will determine whether a repair can be accomplished by CSR.

For more information about CSR, contact your local service provider or go to the CSR website:

http://www.hpe.com/support/selfrepair

Remote support

Remote support is available with supported devices as part of your warranty or contractual support agreement. It provides intelligent event diagnosis, and automatic, secure submission of hardware event notifications to Hewlett Packard Enterprise, which will initiate a fast and accurate resolution based on your product's service level. Hewlett Packard Enterprise strongly recommends that you register your device for remote support.

If your product includes additional remote support details, use search to locate that information.

Remote support and Proactive Care information

HPE Get Connected

www.hpe.com/services/getconnected

HPE Proactive Care services

www.hpe.com/services/proactivecare

HPE Proactive Care service: Supported products list

www.hpe.com/services/proactivecaresupportedproducts

HPE Proactive Care advanced service: Supported products list

www.hpe.com/services/proactivecareadvancedsupportedproducts

Proactive Care customer information

Proactive Care central

www.hpe.com/services/proactivecarecentral

Proactive Care service activation

www.hpe.com/services/proactivecarecentralgetstarted

Warranty information

To view the warranty for your product or to view the *Safety and Compliance Information for Server, Storage, Power, Networking, and Rack Products* reference document, go to the Enterprise Safety and Compliance website:

www.hpe.com/support/Safety-Compliance-EnterpriseProducts

Additional warranty information

HPE ProLiant and x86 Servers and Options

www.hpe.com/support/ProLiantServers-Warranties

HPE Enterprise Servers

www.hpe.com/support/EnterpriseServers-Warranties

HPE Storage Products

www.hpe.com/support/Storage-Warranties

HPE Networking Products

www.hpe.com/support/Networking-Warranties

Regulatory information

To view the regulatory information for your product, view the *Safety and Compliance Information for Server, Storage, Power, Networking, and Rack Products*, available at the Hewlett Packard Enterprise Support Center:

www.hpe.com/support/Safety-Compliance-EnterpriseProducts

Additional regulatory information

Hewlett Packard Enterprise is committed to providing our customers with information about the chemical substances in our products as needed to comply with legal requirements such as REACH (Regulation EC No 1907/2006 of the European Parliament and the Council). A chemical information report for this product can be found at:

www.hpe.com/info/reach

For Hewlett Packard Enterprise product environmental and safety information and compliance data, including RoHS and REACH, see:

www.hpe.com/info/ecodata

For Hewlett Packard Enterprise environmental information, including company programs, product recycling, and energy efficiency, see:

www.hpe.com/info/environment

Documentation feedback

Hewlett Packard Enterprise is committed to providing documentation that meets your needs. To help us improve the documentation, send any errors, suggestions, or comments to Documentation Feedback (**docsfeedback@hpe.com**). When submitting your feedback, include the document title, part number, edition, and publication date located on the front cover of the document. For online help content, include the product name, product version, help edition, and publication date located on the legal notices page.